

Title (en)

FASTENING STRUCTURE FOR RING-GEAR AND DIFFERENTIAL CASE, AND DIFFERENTIAL DEVICE USING SAME

Title (de)

BEFESTIGUNGSSTRUKTUR FÜR HOHLRAD- UND AUSGLEICHSGEHÄUSE SOWIE AUSGLEICHSVORRICHTUNG DAMIT

Title (fr)

STRUCTURE DE FIXATION POUR COURONNE DENTÉE ET CARTER DIFFÉRENTIEL, ET DISPOSITIF DIFFÉRENTIEL L'UTILISANT

Publication

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Application

**EP 10852527 A 20100604**

Priority

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Abstract (en)

A fastening structure (1) for a ring-gear (3) and a differential case (2) comprises a differential case (2) which is provided with: a ring gear (3) having a gear section (4) formed on the outer peripheral surface thereof, and a plurality of notch portions (5) formed on the inner peripheral surface thereof; a press-fitting surface (6) whereon the ring gear (3) is press-fitted; and a flange section (8) which is forced against and caulked to the notch portions (5), at the end of the press-fitting surface (6). After the ring gear (3) has been press-fitted to the press-fitting surface (6), the flange section (8) is forced toward the notch portions (5), and thus the differential case (2) is caulked and fastened to the ring gear (3). The notch portions (5) have stepped surfaces (14, 15), and thus rattling generated during torque transmission can be suppressed.

IPC 8 full level

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